



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

ELY et al.

Atty. Ref.: 1179-56

Serial No. 10/506,884

TC/A.U.: 2856

Filed: September 7, 2004

Examiner:

For: POSITION SENSOR

\* \* \* \* \*

August 25, 2005

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT**

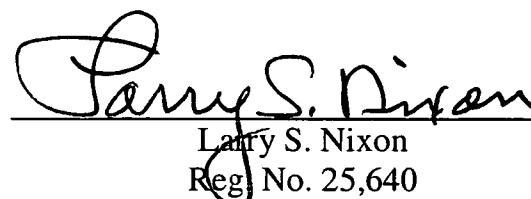
Attention is directed to the attached PCT International Search Report for this application and each non-US patent reference cited therein -- together with a UK Examination Report for a counterpart of this application and a copy of each newly cited non-US patent document cited therein. In addition, non-US patent references cited in other related applications (08/737,505; 09/220,354; 09/424,706; 09/529,387; 09/627,423; 09/754,218; 10/108,266; 10/478,354; 10/516,265; 10/796,164; and 10/896,917) are also attached together with a PTO-1449.

Official consideration and citation of each such reference is requested.

Respectfully submitted,

**NIXON & VANDERHYE P.C.**

By:



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INFORMATION DISCLOSURE  
CITATION

Atty. Docket No.

Serial No.

1179-56

10/506,884

Applicant

David Ely, et al.

Filing Date

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March 22, 2005

Unknown

## U.S. PATENT DOCUMENTS

INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/AB/	2,145,742	01/1939	Wechsung			
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	3,219,956	11/1965	Newell, et al.			
	3,297,940	01/1967	Mulligan, et al.			
	3,482,242	12/1969	Hargrove			
	3,647,963	03/1972	Bailey			
	3,772,587	11/1973	Ferrand, et al.			
	3,812,481	05/1974	Stednitz			
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	3,895,356	07/1975	Kraus			
	3,898,635	08/1975	Kulterman			
	3,906,436	09/1975	Kurauchi, et al.			
	3,962,663	06/1976	Visser			
	4,005,396	01/1977	Fujiwara, et al.			
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	63-211014 A	09/1988	Japan			ABSTRACT ONLY	
	02-248816	10/1990	Japan			ABSTRACT ONLY	
	287267	01/1996	Taiwan				
	347542	11/1998	Taiwan				
	0159191 A2	10/1985	Europe				
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	0209513 A1	06/1986	Europe			ABSTRACT ONLY	

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	Klatt, "Phase of Digital Data Fixes Shaft Angle", ELECTRICAL DESIGN NEWS, Vol. 16, No. 12, 15 June 1971, pages 53-56. XP002045871

*Examiner	/Aditya Bhat/	Date Considered	03/31/2008
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	4,150,352	04/1979	Pomella, et al.			
	4,156,192	05/1979	Schedrovitsky, et al.			
	4,210,775	07/1980	Rodgers, et al.			
	4,223,300	09/1980	Wiklund			
	4,255,617	03/1981	Carau, Sr., et al.			
	4,341,385	07/1982	Doyle, et al.			
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	4,482,784	11/1984	Whetstone			
	4,504,832	03/1985	Conte			
	4,507,638	03/1985	Brosh			
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	4,577,058	03/1986	Collins			

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	0657917 A1	06/1995	Europe				
	0675581 A1	10/1995	Europe				

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	PATENT ABSTRACTS OF JAPAN, Vol. 15, No. 37, (P-1159), 29 January 1991 & JP 02 275314 A (OMRON TATEISI ELECTRON CO), 9 November 1990
	PATENT ABSTRACTS OF JAPAN, Vol. 10, No. 32 (E-379), 7 February 1986 & JP 60 189231 A (MATSUSHITA DENKI SANGYO KK), 26 September 1985

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/AB	4,593,245	06/1986	Vierti, et al.			
	4,609,776	09/1986	Murakami, et al.			
	4,642,321	02/1987	Schoenberg, et al.			
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	Pulle et al., "A New Magnetoresistive Based Sensor for Switched Reluctance Drives", PROCEEDINGS OF THE ANNUAL POWER ELECTRONICS SPECIALISTS CONFERENCE (PECS), Toledo, June 29 – July 3, 1992, Vol. 2, No. CONF, 23, 29 June 1992, pages 839-843, INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
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▼	Search Report for PCT Application No. PCT/GB 03/02432 (published as WO 2003/105072 A3) dated 5/11/04

*Examiner	/Aditya Bhat/	Date Considered	03/31/2008
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/AB/	4,820,961	04/1989	McMullin			
	4,821,002	04/1989	Luly			
	4,848,496	07/1989	Murakami, et al.			
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	5,023,408	06/1991	Murakami, et al.			
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	5,041,785	08/1991	Bogaerts, et al.			

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	97/14935	04/1997	WIPO				
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↓	McDonnel, "The Use of Inductosyn to Digital Converters in Linear Control Systems", AUTOMATION, Vol. 10, No. 11-12, November 1975-December 1975, pages 31-32
	ELECTRONICS LETTERS, Vol. 11, No. 1, 9 January 1975, pages 5-6, Gordon, "Digital xy Position Indicator Using Walsh Functions"

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7AB/	5,045,645	09/1991	Hoendervoogt, et al.			
	5,059,180	10/1991	McLees			
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	5,082,286	01/1992	Ryan, et al.			
	5,088,928	02/1992	Chan			
	5,129,654	07/1992	Bogner			
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	5,136,125	08/1992	Russell			
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	5,218,174	06/1993	Gray, et al.			
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	5,247,137	09/1993	Epperson			
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	5,349,139	09/1994	Verrier, et al.			
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851543	10/1960	Great Britain				
1122763	08/1968	Great Britain				
1452132	10/1976	Great Britain				
2012431 A	07/1979	United Kingdom				
2021273 A	11/1979	Great Britain				
2042183 A	09/1980	Great Britain				
2059593 A	04/1981	Great Britain				
2064125 A	06/1981	Great Britain				

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A graph showing a downward-sloping demand curve on a grid. The vertical axis has 10 horizontal grid lines, and the horizontal axis has 10 vertical grid lines. The curve starts at the top-left grid line and ends at the bottom-right grid line, passing through the center grid point.

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	5,381,091	01/1995	Kobayashi, et al.			
	5,406,155	04/1995	Persson			
	5,434,372	07/1995	Lin			
	5,461,204	10/1995	Makinwa, et al.			
	5,486,731	01/1996	Masaki, et al.			
	5,525,981	06/1996	Abernethy			
	5,554,827	09/1996	Oda			
	5,557,076	09/1996	Wieczorek, et al.			
	5,571,997	11/1996	Gray, et al.			
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	5,625,239	04/1997	Persson, et al.			
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	5,646,496	07/1997	Woodland, et al.			
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			CLASS	SUBCLASS	YES
2074736 A	11/1981	Great Britain			
1604824	12/1981	Great Britain			
2103943 A	03/1983	Great Britain			
2141235 A	12/1984	Great Britain			
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Since 1909

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10/506,884

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TC/A.U.

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	5,748,110	05/1998	Sekizawa			
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	5,826,473	10/1998	Saka, et al.			
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	6,236,199 B1	05/2001	Irle, et al.			
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## TRANSLATION

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A graph showing a linear relationship between two variables, X and Y. The x-axis is labeled 'X' and the y-axis is labeled 'Y'. A dotted line with a negative slope passes through the points (0, 10) and (10, 0).

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	6,798,404	09/2004	Sharma			
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S. Webb, R. G. Steele

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11. **What is the primary purpose of the *Journal of Clinical Endocrinology and Metabolism*?**

<b>*Examiner</b>	/Aditya Bhat/	<b>Date Considered</b>	03/31/2008
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